

Group Art Unit 2651

Examiner: NOT-ASSIGNED

Atty. Dkt. P 271043 T4KN-00S0974-1

M# Client Ref

Appln. Title: OPTICAL HEAD AND OPTICAL DISC
APPARATUS EQUIPPED WITH
OPTICAL HEAD

Inventor(s): HOSHINO et al.

Appln. No.: 09 695,284

Series Code ↑

Serial No. ↑

Filed: October 25, 2000

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

REPLY/AMENDMENT/LETTER

Date: February 13, 2002

FEB 14 2002

Technology Center 2600

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated herinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. Small Entity claim

A. ☒ NOT madeB. ☐ WithdrawnC. ☐ made herewithD. ☐ made previously

For B & C
See **Required**
Separate Paper
(Pat-256)

Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code Lg/Sm
2. Total Effective Claims	23	**minus 23 0	x \$18/\$9 =	+ \$0	103/203
3. Independent Claims	9	***minus 9 0	x \$84/\$42 =	+ \$0	102/202
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) add			+ \$280/\$140 =	+ \$0	104/204
5. Original due Date:		<input checked="" type="checkbox"/> NONE			
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo) \$110/\$55 = (2 mos) \$400/\$200 = (3 mos) \$920/\$460 = (Usable only for ≤ 2mo.OA --- 4 mos) \$1,440/\$720= (Usable only for 30 day/1mo.OA --- 5 mos) \$1,960/\$980=	+ \$0		115/215 116/216 117/217 118/218 128/228
7. Enter any previous extension fee paid since above original due date and subtract			- \$0		
8. Extension Fee Attached			+ \$0		
9. If Terminal Disclaimer attached, add Rule 20(d) official fee			+ \$110/\$55	+ \$0	148/248
10. If IDS attached requires Official Fee under Rule 97 (c), add			+ \$180	+ \$0	126
or if Rule 97(d) Request add			+ \$180		126
11. After-Final Request Fee per rules 129(a) and 17(r)			+ \$740/370	+ \$0	146/246
12. No. of additional inventions for examination per Rule 129(b).....			x \$740/370 ea	+ \$0	149/249
13. Request for Continued Examination (RCE)			+ \$740/370	+ \$0	1179/1279
14. Petition fee for			+ \$0		
15. TOTAL FEE ENCLOSED =			\$0		

16. *If the entry in this space is less than entry in next space, the "Present Extra" result is "0".

17. **If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.

18. ***If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

Our Deposit Account No. 03-3975)

(Our Order No. 8312 271043

C#

M#

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown above, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

Pillsbury Winthrop LLP
Intellectual Property Group

By Atty: Dale S. Lazar

Sig:

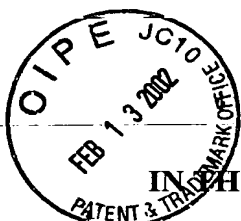
1600 Tysons Boulevard
McLean, VA 22102
Tel: (703) 905-2000

Reg. No. 28872

Fax: (703) 905-2500
Tel: (703) 905-2126

Atty/Sec: DSL/TPT/smm

NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments



5/18/02
BA 2/14/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Confirmation No.:

HOSHINO et al.

Group Art Unit: 2651

Appln. No.: 09/695,284

Examiner: NOT ASSIGNED

Filed: October 25, 2000

Title: OPTICAL HEAD AND OPTICAL DISC APPARATUS EQUIPPED WITH OPTICAL HEAD

February 13, 2002

* * * * *

PRELIMINARY AMENDMENT

RECEIVED

FEB 14 2002

Technology Center 2600

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

Please amend the above-identified application as follows:

IN THE SPECIFICATION:

Please enter the following amendments to the specification:

Page 1, delete the whole paragraph starting at line 16 and replace it with the following new paragraph:

A1
An optical head is constructed such that, when data are recorded, a recording surface of an optical disc is irradiated with a laser beam having a plurality of predetermined light intensities so as to change the structure of the recording surface of the optical disc, thereby forming recording marks having a plurality of different reflectances so as to record the data.

Page 2, delete the whole paragraph starting at line 14 and replace it with the following new paragraph:

A2 cont
As shown in FIGS. 10A and 10B, an optical head 900 includes a base 901. Arranged within the base 901 is a laser diode 91 emitting a laser beam of a predetermined wavelength. The laser beam emitted from the laser diode 91 is reflected from the recording surface of an optical disc and the reflected light is received by a light detector 92. The laser diode 91 and the light detector 92 collectively form an IOU (Integrated Optical Unit) 90. Also arranged within the base 901 are a beam splitter 93 arranged on the optical path of the laser beam emitted from the laser diode 91 of the IOU 90, a collimator 95 for converting the laser beam